

Exhibit D

RECU - 4 JAN. 2017

Page 1 (version 11)

RECU - 4 JAN. 2017

IPR Declaration reference: ISLD-201612-031

ETSI Rules of Procedure, 20 April 2016

IPR INFORMATION STATEMENT AND LICENSING DECLARATION

IPR HOLDER / ORGANISATION ("Declarant")

Legal Name: KT Corporation

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Name of authorized person: Dr. Chanho Min

Title of authorized person: Senior Manager

Place, Date: (Korea Telecom Research Center, Umyeon-dong) 151, Taebong-ro, Seocho-gu, Seoul, 06763, South Korea, 27/12/2016

Please return this form duly signed to: ETSI Director-General

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IPR Information Statement Annex

| STANDARD, TECHNICAL SPECIFICATION or ETSI Work Item | | | | Proprietor | Application No. | Publication No. | Patent/Application Title | Country of registration | FURTHER INFORMATION | | |
|---|---|---|---------------------------------|---------------|-----------------|---|--------------------------|-------------------------|---|---------------------------|-----------------|
| Project or Standard name | Work Item or Standard No. | Illustrative Specific part of the standard (e.g. Section) | Version (V.X.X. X) | | | | | | Other members of this PATENT FAMILY, if any * | Application No. | Publication No. |
| | TS 136 300 TS 136 331 TS 36.300 TS 36.331 | 12.4.0 12.4.1 12.4.0 12.4.1 | Unknown Company (KR20130129015) | KR20130129015 | KR101568310 B1 | METHODS AND APPARATUSES FOR TRANSMITTING USER PLANE DATA IN SMALL CELL DEPLOYMENTS | KOREA (REPUBLIC OF) | CN2014807262 | CN104969489 A | CHINA | |
| | | | | | | | | KR20150145111 | KR101611309 B1 | KOREA (REPUBLIC OF) | |
| | | | | | | | | US20141476533 4 | US2015373584 A1 | UNITED STATES | |
| | | | | | | | | WO2014KR00346 | WO2014119858 A1 | Patent Cooperation Treaty | |
| | TS 136 300 TS 136 321 TS 136 331 TS 36.300 TS 36.321 TS 36.331 | 12.4.0 12.4.0 12.4.1 12.4.0 12.4.0 12.4.1 | Unknown Company (KR20130149687) | KR20130149687 | KR101625552 B1 | METHODS AND APPARATUSES FOR ACTIVATING OR DEACTIVATING SMALL CELLS | KOREA (REPUBLIC OF) | CN2014808810 | CN105075314 A | CHINA | |
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| | TS 136 300 TS 136 321 TS 136 331 TS 36.300 TS 36.321 TS 36.331 | 12.4.0 12.4.0 12.4.1 12.4.0 12.4.0 12.4.1 | Unknown Company (KR20140015508) | KR20140015508 | KR101656248 B1 | METHODS FOR TRANSMITTING BUFFER STATUS REPORT OF A USER EQUIPMENT IN SMALL CELL DEPLOYMENTS AND APPARATUSES THEREOF | KOREA (REPUBLIC OF) | CN2014811021 | CN105432028 A | CHINA | |
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| | TS 136 300 TS 136 331 TS 36.300 TS 36.331 | 12.4.0 12.4.1 12.4.0 12.4.1 | Unknown Company (KR20130136724) | KR20130136724 | KR101632277 B1 | HANDOVER METHODS FOR A MOBILE STATION CONNECTED WITH MULTIPLE BASE STATIONS AND APPARATUSES THEREOF | KOREA (REPUBLIC OF) | CN2014819499 | CN105103613 A | CHINA | |
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| | | | | | | | | WO2014KR02449 | WO2014157888 A1 | Patent Cooperation Treaty | |
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| | TS 136 331 TS 36.331 | 12.4.1 12.4.1 | Unknown Company (KR20130161241) | KR20130161241 | KR101628874 B1 | METHODS FOR HANDLING A RADIO LINK FAILURE AND APPARATUSES THEREOF | KOREA (REPUBLIC OF) | CN2014820250 | CN105103593 A | CHINA | |
| | | | | | | | | KR20130130502 | KR20140120806 A | KOREA (REPUBLIC OF) | |
| | | | | | | | | US20141478135 6 | US2016057802 A1 | UNITED STATES | |
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| | TS 136 331 TS 36.331 | | 12.4.1 12.4.1 | Unknown Company (KR20130161875) | KR20130161875 | KR101602999 B1 | METHODS FOR CONFIGURING A DUAL CONNECTION IN MOBILE COMMUNICATION NETWORKS AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | CN2014858780 | CN105684491 A | CHINA |
| | | | | | | | | | KR20130130408 | KR20140145524 A | KOREA (REPUBLIC OF) |
| | | | | | | | | | US20141503265 1 | US2016316508 A1 | UNITED STATES |
| | | | | | | | | | WO2014KR10094 | WO2015064972 A1 | Patent Cooperation Treaty |
| | TS 136 300 TS 136 323 TS 136 331 TS 36.300 TS 36.323 TS 36.331 | | 12.4.0 12.2.0 12.4.1 12.4.0 12.2.0 12.4.1 | Unknown Company (KR20140030422) | KR20140030422 | KR20150034588 A | Methods for transmitting the Buffer status report and Apparatuses thereof | KOREA (REPUBLIC OF) | CN2014853616 | CN105580419 A | CHINA |
| | | | | | | | | | US20141502448 4 | US2016242193 A1 | UNITED STATES |
| | | | | | | | | | WO2014KR08311 | WO2015046780 A1 | Patent Cooperation Treaty |
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| | TS 136 300 TS 136 323 TS 136 331 TS 36.300 TS 36.323 TS 36.331 | | 12.4.0 12.2.0 12.4.1 12.4.0 12.2.0 12.4.1 | Unknown Company (KR20140187262) | KR20140187262 | KR101640681 B1 | METHODS FOR CHANGING A BASE STATION IN DUAL CONNECTIVITY AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | | | |
| | TS 136 300 TS 36.300 | | 13.2.0 13.2.0 | KT CORP [KR] | KR20150015921 | KR20150099411 A | METHODS FOR TRANSMITTING AND RECEIVING DATA AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | | | |
| | TS 136 321 TS 36.321 | | 12.4.0 12.4.0 | Unknown Company (KR20140017610) | KR20140017610 | KR101655513 B1 | Methods for transmitting Buffer Status Report in Device to Device Communication and Apparatuses thereof | KOREA (REPUBLIC OF) | CN2014845384 | CN105474684 A | CHINA |
| | | | | | | | | | CN20161154305 | CN105682137 A | CHINA |
| | | | | | | | | | US20141491002 6 | US2016183239 A1 | UNITED STATES |
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| | TS 136 321 TS 136 331 TS 36.321 TS 36.331 | | 12.4.0 12.4.1 12.4.0 12.4.1 | Unknown Company (KR20140008556) | KR20140008556 | KR101648251 B1 | Methods for allocating wireless resources in Device to Device communication and Apparatuses thereof | KOREA (REPUBLIC OF) | CN2014845384 | US2016183239 A1 | CHINA |
| | | | | | | | | | CN20161154305 | US2016183239 A1 | CHINA |
| | | | | | | | | | US20141491002 6 | US2016183239 A1 | UNITED STATES |
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| | TS 136 331 TS 36.331 | | 12.3.0 12.3.0 | Unknown Company (KR2013014875 1) | KR20130148751 | KR101602998 B1 | METHODS FOR HANDLING THE VALIDITY OF WIRELESS LAN ASSISTANCE INFORMATION AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | | | |
| | TS 23.682 | | 13.3.0 | KT CORP [KR] | KR20120143964 | KR20130123291 A | USER EQUIPMENT MONITORING METHOD AND APPARATUS IN MOBILE NETWORK | KOREA (REPUBLIC OF) | WO2013KR0375 8 | WO2013165168 A1 | Patent Cooperation Treaty |
| | TS 136 331 TS 36.331 | | 13.0.0 13.0.0 | KT CORP [KR] | KR20150094846 | KR20160019052 A | METHODS FOR CONFIGURING CARRIER AGGREGATION AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | WO2015KR0803 7 | WO2016021882 A1 | Patent Cooperation Treaty |
| | TS 136 213 TS 136 331 TS 36.213 TS 36.331 | | 13.2.0 13.2.0 13.2.0 13.2.0 | Unknown Company (KR2014005793 8) | KR20140057938 | KR20150035672 A | Apparatus and methods of uplink control channel resource mapping for User Equipments | KOREA (REPUBLIC OF) | CN2014853321 US20141502526 2 WO2014KR0876 5 | CN105594139 A US2016242169 A1 WO2015046831 A1 | CHINA UNITED STATES Patent Cooperation Treaty |
| | TS 136 213 TS 136 331 TS 36.213 TS 36.331 | | 13.2.0 13.2.0 13.2.0 13.2.0 | Unknown Company (KR2014006712 8) | KR20140067128 | KR20150041562 A | Methods for Transmitting and Receiving Downlink Control Channels and Apparatuses thereof | KOREA (REPUBLIC OF) | CN2014854504 KR20140026752 US20141502626 0 WO2014KR0899 5 WO2014KR0918 4 | CN105659514 A KR20150040193 A US2016249331 A1 WO2015050339 A1 WO2015050359 A1 | CHINA KOREA (REPUBLIC OF) UNITED STATES Patent Cooperation Treaty Patent Cooperation Treaty |
| | TS 136 213 TS 136 331 TS 36.213 TS 36.331 | | 13.2.0 13.2.0 13.2.0 13.2.0 | Unknown Company (KR2014008892 6) | KR20140088926 | KR20150043963 A | Methods for Transmitting and Receiving a Random Access Preamble and Apparatuses Thereof | KOREA (REPUBLIC OF) | CN2014856219 US20141502926 5 WO2014KR0947 2 | CN105637969 A US2016255591 A1 WO2015056924 A1 | CHINA UNITED STATES Patent Cooperation Treaty |
| | TS 136 213 TS 136 331 TS 36.331 TS 36.213 | | 13.1.1 13.1.0 13.1.0 13.1.1 | KT CORP [KR] | KR20150105193 | KR20160037066 A | METHODS FOR TRANSMITTING AND RECEIVING A SIGNAL OF MTC UES AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | WO2015KR1009 7 | WO2016048063 A1 | Patent Cooperation Treaty |
| | TS 136 213 TS 136 331 TS 36.331 TS 36.213 | | 13.1.1 13.1.0 13.1.0 13.1.1 | KT CORP [KR] | KR20150132362 | KR20160037087 A | METHODS FOR CONFIGURING DOWNLINK RESOURCE FOR A MTC UE AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | WO2015KR1009 7 | WO2016048063 A1 | Patent Cooperation Treaty |



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| | TS 136 213 TS 36.213 | | 13.1.1 13.1.1 | KT CORP [KR] | KR20160005012 | KR20160089866 A | METHODS FOR TRANSMITTING A DOWNLINK CONTROL INFORMATION AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | KR20150135899 | KR20160089844 A | KOREA (REPUBLIC OF) |
| | | | | | | | | | WO2016KR00494 | WO2016117885 A1 | Patent Cooperation Treaty |
| | TS 136 213 TS 36.213 | | 13.2.0 13.2.0 | KT CORP [KR] | KR20140012252 | KR20140134213 A | METHODS OF DATA CHANNEL SCHEDULING AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | KR20130147226 | KR20140134209 A | KOREA (REPUBLIC OF) |
| | TS 136 331 TS 136 300 TS 36.331 TS 36.300 | | 13.0.0 13.2.0 13.0.0 13.2.0 | KT CORP [KR] | KR20160021712 | KR20160110889 A | METHODS FOR TRANSMITTING CHANNEL STATE INFORMATION AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | WO2016KR02281 | WO2016144078 A1 | Patent Cooperation Treaty |
| | TS 136 331 TS 136 300 TS 36.331 TS 36.300 | | 13.0.0 13.2.0 13.0.0 13.2.0 | KT CORP [KR] | KR20150185653 | KR20160086269 A | METHODS FOR TRANSMITTING AND RECEIVING THE SINGLE CELL MULTIPONT TRANSMISSION DATA AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | WO2015KR14479 | WO2016111498 A1 | Patent Cooperation Treaty |
| | TS 136 331 TS 136 300 TS 136 304 TS 36.331 TS 36.300 TS 36.304 | | 13.0.0 13.2.0 13.0.0 13.0.0 13.2.0 13.0.0 | KT CORP [KR] | KR20160000376 | KR20160086276 A | METHODS FOR TRANSMITTING AND RECEIVING THE SINGLE CELL MULTIPONT TRANSMISSION DATA AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | WO2016KR00053 | WO2016111522 A1 | Patent Cooperation Treaty |
| | TS 136 300 TS 136 360 TS 36.300 TS 36.360 | | 13.3.0 13.0.0 13.3.0 13.0.0 | KT CORP [KR] | KR20150094021 | KR20160030038 A | METHODS FOR TRANSMITTING DATA USING A WLAN CARRIER AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | KR20150067822 | KR20160030035 A | KOREA (REPUBLIC OF) |
| | KR20150114273 | KR20160030041 A | KOREA (REPUBLIC OF) | | | | | | | | |
| | WO2015KR09333 | WO2016036180 A1 | Patent Cooperation Treaty | | | | | | | | |
| | TS 136 300 TS 136 360 TS 36.300 TS 36.360 | | 13.3.0 13.0.0 13.3.0 13.0.0 | KT CORP [KR] | KR20150114278 | KR20160034182 A | METHODS FOR PROCESSING USER PLANE DATA AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | WO2015KR09741 | WO2016043527 A1 | Patent Cooperation Treaty |
| | TS 136 300 TS 136 323 TS 136 331 TS 36.300 TS 36.323 TS 36.331 | | 13.3.0 13.1.0 13.1.0 13.3.0 13.1.0 13.1.0 | KT CORP [KR] | KR20150114273 | KR20160030041 A | METHODS FOR PROCESSING DATA USING A WLAN CARRIER AND APPARATUSSES THEREOF | KOREA (REPUBLIC OF) | KR20150067822 | KR20160030035 A | KOREA (REPUBLIC OF) |
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| | TS 136 463 TS 136 300 TS 136 331 TS 36.300 TS 36.331 TS 36.463 | 13.0.0 13.3.0 13.1.0 13.3.0 13.1.0 13.0.0 | KT CORP [KR] | KR20150155504 | KR20160058014 A | METHODS FOR TRANSMITTING AND RECEIVING DATA USING WLAN CARRIERS AND APPARATUSES THEREOF | KOREA (REPUBLIC OF) | WO2015KR1213 9 | WO2016076634 A3 | Patent Cooperation Treaty |
| | TS 136 300 TS 136 323 TS 136 331 TS 36.300 TS 36.323 TS 36.331 | 13.3.0 13.1.0 13.1.0 13.3.0 13.1.0 13.1.0 | KT CORP [KR] | KR20160037352 | KR20160119426 A | Methods for reconfiguring radio bearer and Apparatuses thereof | KOREA (REPUBLIC OF) | WO2016KR0320 3 | WO2016159634 A1 | Patent Cooperation Treaty |
| | TS 136 413 TS 123 682 TS 136 304 TS 36.413 TS 23.682 TS 36.304 | 13.1.0 13.5.0 13.1.0 13.1.0 13.5.0 13.1.0 | KT CORP [KR] | KR20150030263 | KR20160002327 A | METHODS FOR TRANSMITTING A PAGING MESSAGE AND APPARATUSES THEREOF | KOREA (REPUBLIC OF) | | | |

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